

Urban District Council
OF
East and West Molesey.

Annual Report
OF THE
Medical Officer of Health
FOR
1910.

KNAPP, DREWETT AND SONS LTD.,
PRINTERS,
Walton Road, East Molesey;
Kingston, Surbiton, Wimbledon and Esher.
M. 10682.

Urban District Council of East and West Molesey.

Area in Acres	...	...	...	1,545
Population (last Census, 1901)	...	...		6,034
Population (estimated to middle of 1910)				6,626
Death Rate	...	...	14'18 per	1,000
Birth Rate	...	...	23'24	„ „
Zymotic Death Rate	...		1'05	„ „
Infant Mortality	74'28 per 1,000 Births registered			

Vital Statistics for England and Wales for 1910.

	Annual Rates per 1,000 living.		Infant Mortality.
	Births.	Deaths.	Annual Death-rate of Infants under One Year per 1,000 Births.
England and Wales ...	21'8	13'4	106'0

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

EAST MOLESEY, SURREY.

February, 1911.

TO THE CHAIRMAN AND MEMBERS OF THE EAST AND WEST
MOLESEY URBAN DISTRICT COUNCIL.

GENTLEMEN,

I beg to present my Annual Report for 1910.

PHYSICAL FEATURES AND GENERAL CHARACTER OF THE DISTRICT.

The area in acres is 1,545, of which 166 are covered with water.

The district is flat and the soil principally sand and gravel.

It is from 21 to 36 feet above ordnance datum.

The occupation of the working classes is principally agricultural and employment in public works, but there are several factories employing a considerable number of hands. It is, however, chiefly a residential place occupied by persons engaged in Town or who have retired. House accommodation is ample.

The accommodation was disturbed by the influx of navvies employed by the construction of the Island Barn Reservoir, but this is nearly completed, and now only a few men are working there. Generally there is a

sufficiency of open spaces about the houses. The cleanliness of the surroundings is not always what could be desired, but this condition has been markedly improved as a result of house-to-house inspection of certain parts of the district, and recommendations as to paving, etc., and draining of back-yards carried out.

WATER SUPPLY.

The water supply, derived from the Metropolitan Water Board, has been satisfactory.

MILK SUPPLY.

This is to a large extent produced within the district, but a considerable amount is imported. It is generally of good quality. The condition of the dairies, cowsheds, and milkshops is on the whole satisfactory; but a more systematic inspection is desirable.

The milch cows of the registered cowkeepers are inspected quarterly by Mr. Payne, M.R.C.V.S., and their condition reported upon to the Council.

OTHER FOODS.

Meat inspection has not been carried out systematically. There are three registered slaughter-houses; the cleanliness, etc., is generally satisfactory. More systematic inspection is necessary. No meat has been condemned as tuberculous.

SEWERAGE AND DRAINAGE.

The condition of the sewers and house drains is good. The method of disposal of the sewerage is by precipitation and intermittent downward filtration. The working of the scheme has been satisfactory during the year. I drew the attention of the Council to the necessity of extending the West Molesey main sewer beyond

Boorman's Farm to Apps Court corner. The Upper Farm, Ivy Lodge, and The Lodge, with their cottages, would then have a proper means of sewage disposal which at present they have not, and I would recommend the Council to seriously consider the advisability of carrying out this work.

HOUSE REFUSE.

This is removed by the Council to the sewage works and burnt and then trenched in the ground for improving the filtration area. I am glad to say it is now done weekly all the year round. Sanitary dustbins are nearly universal.

NUISANCES.

Many nuisances have been noticed. The numbers will be found in the Sanitary Inspector's report.

SCHOOLS.

The East Molesey Infants' Schools were closed for a month in July owing principally to an epidemic of Mumps. The West Molesey Mixed and Infants' Schools were closed for a month from October 31st mainly owing to the same disease.

The inspection of school children is carried out by the County Medical Officer with assistants. The East Molesey Infants' Schools are still in the temporary buildings adopted for the purpose, and there is no change to record in the West Molesey Infants' Schools to which buildings I have referred in previous reports.

I have visited all the schools on various occasions—sometimes with the object of tracing infectious disease or preventing its spread; at others to inspect the sanitary arrangements.

A nurse has lately been employed by the County Education Committee to inspect and report on the verminous condition of the children which had caused a good deal of trouble.

In this respect there is marked improvement.

INFECTIOUS DISEASE.

The following diseases are compulsorily notifiable under the Infectious Diseases Notification Act, 1889:—Small-Pox, Cholera, Diphtheria, Membranous Croup, Scarlet Fever, and the following fevers:—Typhus, Typhoid or Enteric, Relapsing, Continued, and Puerperal.

Paupers suffering from Pulmonary Tuberculosis have been compulsorily notifiable since 1909.

Diphtheria (including Membranous Croup).—Seventeen cases were notified, all in East Molesey; fourteen were removed to the Tolworth Isolation Hospital. Five terminated fatally. They occurred as follows:—January 4, March 2, June 2, August 2, October 6, December 1.

Unfortunately several cases were seen too late for the use of Diphtheria Anti-toxin to be of any value.

Scarlet Fever.—Thirty-one cases were notified: twenty in East Molesey and eleven in West Molesey. Twenty-nine were removed to the Tolworth Isolation Hospital. They occurred as follows:—February 3, March 11, April 5, May 2, June 4, July 3, August 1, October 2.

Two cases terminated fatally.

Enteric or Typhoid Fever.—No case was notified.

Puerperal Fever.—One case was notified in West Molesey and terminated fatally.

Erysipelas.—Two cases were notified.

Pulmonary Tuberculosis.—Six cases of this disease in paupers were notified.

METHODS OF DEALING WITH INFECTIOUS DISEASES.

Upon the receipt of a notification of infectious disease, the residence is visited as soon as possible, and, generally, the patient is removed to the Tolworth Isolation Hospital. Thus during the past year 43 cases of Scarlet Fever and Diphtheria were removed out of 48 notified. The room occupied by the case has been disinfected with Sulphurous Acid, and the whole house thoroughly cleansed.

The new Isolation Hospital at West Molesey will be opened in 1911, and the Council are to be congratulated that their efforts in this direction have at last been successful, and that they will have a hospital quite equal to their requirements open at an early date for the reception of cases of Scarlet Fever, Diphtheria, and Typhoid Fever.

The disinfector at the Hospital will supply a much-needed want.

The Small-Pox Hospital at Clandon is available for cases of Small-Pox.

METHODS OF CONTROL OF TUBERCULOSIS.

Paupers suffering from Pulmonary Tuberculosis are notifiable under the 1909 Order. Except for this there is no system of notification in this district. Upon the notification of a case the home is visited and directions given for the prevention of the spread of infection. Upon death or removal the premises are disinfected and general cleansing of the whole house is seen to.

NON-NOTIFIABLE INFECTIOUS DISEASES.

There were outbreaks of Mumps, Measles, and Chicken-pox.

MORTALITY.

There were 94 deaths during the year: a death-rate of 14·18 per 1,000 of the population. This includes no fewer than twenty deaths in the Kingston Workhouse Infirmary. The average death-rate for the previous ten years was 12·37 per 1,000. Of the deaths, seven were due to Zymotic diseases, seven to Phthisis, ten to Cancer, and seven to Pneumonia.

INQUESTS.

Inquests were held on nine occasions, and included four accidents and five suicides. Two of the inquiries were on persons who were not residents. The verdicts of the jurors were:—Acute pneumonia, suicide during a state of unsound mind, shock to system produced by accidental burning, suicide during a state of unsound mind, accidentally killed by being run over by a railway truck, suicide by drowning, accidentally drowned, suicide during a state of unsound mind, and asphyxia from tetanus following burns of face (accidental).

INFANT MORTALITY.

There were thirteen deaths in infants under one year of age, giving an infant mortality of 74·28 per 1,000 births registered. The average infant mortality for the previous ten years was 93·19.

ZYMOTIC MORTALITY.

The Zymotic death-rate, which is calculated from the deaths due to any of the following epidemic diseases:

Small-pox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever (including Typhus, Enteric, and other Continued), and Epidemic Diarrhœa, per 1,000 of the population, was 1·05. The deaths included two from Scarlet Fever and five from Diphtheria.

BIRTHS.

There were 154 births registered, giving a birth-rate of 23·24 per 1,000 of the population. The average birth-rate for the previous ten years was 25·07.

	Annual Rates per 1,000 Living.			Infant Mortality. Annual Death-rate of Infants under 1 Year per 1,000 Births.
	Births.	Deaths from all Causes.	Deaths from Seven Chief Epidemic Diseases.	
England and Wales ...	21·8	13·4	·99	106·00
East & West Molesey	23·24	14·18	1·05	74·28

PUBLIC HEALTH COMMITTEE.

The work of the department has increased so much of recent years that the Council have thought it advisable to form a special committee to deal with it.

The official tables of the Local Government Board are appended; also those of the Factory and Workshop Act, 1901.

The Report of Mr. Stevenson, Sanitary Inspector, is attached. I have to acknowledge the assistance of your Council's officials in helping me to carry out the work of the department.

I am, Gentlemen,

Your obedient Servant,

J. E. KNOX, M.B., C.M.,

Medical Officer of Health.

THE SANITARY INSPECTOR'S REPORT FOR
THE YEAR ENDING DECEMBER 31ST, 1910.

EAST AND WEST MOLESEY.

Number of premises inspected under Section 92 of the Public Health Act, 1875	...	...	246
Number of Nuisances discovered	...	...	241
Number of Nuisances remedied without being reported to Sanitary Authority	...	...	22
Number of Nuisances reported to Sanitary Authority	...	...	219
Number of Nuisances remedied after report	...	...	201
Number of Nuisances reported, but remaining to be remedied on December 31st, 1910	...	...	18
Number of preliminary notices served for the abate- ment of Nuisances	...	...	116
Number of statutory notices served for the abate- ment of Nuisances	...	...	18
Number of Houses disinfected after infectious disease	...	...	51

EAST MOLESEY.

Number of old Houses connected to the Main Sewer during 1910	...	...	3
Number of New Houses connected to the Main Sewer during 1910	...	...	1

WEST MOLESEY.

Drainage of Infectious Diseases Hospital connected to Main Sewer during 1910	1
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HOUSE TO HOUSE INSPECTION.

During the past year the Council resolved to have a house to house inspection in the district.

This has been commenced, and is being thoroughly carried out by Mr. Webb, who has done most useful work, the result being that many of the cottage houses are in a very much better and healthier condition.

The following is a summary of what had been done up to the end of the year:—

Number of Houses inspected ...	...	...	...	300
Number of Houses where preliminary notices were served requiring necessary work to be carried out ...	...	...	...	260

JNO. STEVENSON,

*Member Royal Sanitary Institute,
Sanitary Inspector.*

March 14th, 1911.

TABLE I.—East and West Molesey District.

YEAR.	Population estimated Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE DISTRICT.	Deaths of Non- residents registered in Public Institu- tions in the District.	Deaths of Residents registered in Public Institu- tions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate.*	Under 1 Year of Age.		At all Ages.						
				Number	Rate per 1000 Births registered	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1900	5,986	146	24·37	12	74·53	53	8·85	...	...	8	61	10·19
1901	6,050	141	23·30	18	123·28	75	12·39	...	...	4	79	13·05
1902	6,114	138	22·57	20	141·84	66	10·79	...	...	9	75	12·26
1903	6,178	156	25·25	15	108·69	50	8·09	...	...	8	58	9·38
1904	6,242	188	30·12	22	141·02	81	12·97	...	...	15	96	15·38
1905	6,306	159	25·21	20	106·33	72	11·41	...	...	11	83	13·16
1906	6,370	177	27·78	9	56·60	66	10·36	...	...	8	74	11·61
1907	6,434	143	22·22	9	50·84	67	10·41	...	...	9	76	11·81
1908	6,498	151	23·23	8	55·94	74	11·38	...	...	13	87	13·38
1909	6,562	175	26·66	11	72·84	69	10·49	...	...	20	89	13·56
Averages for years 1900- 1909	6,274	157	25·07	14·4	93·19	67·3	10·71	...	...	10·5	77·8	12·37
1910	6,626	154	23·24	13	74·28	68	10·26	...	...	26	94	14·18

*Rates in columns 4, 8 and 13 calculated per 1,000 of estimated population.
Area of District in acres (exclusive of area covered by water), 1,379.

Total population at all ages, 6,034.
Number of Inhabited Houses, 1,218.
Average number of persons per house, 4·95. } Census, 1901.

TABLE II.—East and West Molesey District.

NAMES OF LOCALITIES.																
YEAR.	EAST AND WEST MOLESEY.				EAST MOLESEY.				WEST MOLESEY.							
	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
1900..	5,986	146	61	12	5,133	109	68	14	917	32	11	4	917	32	11	4
1901...	6,050	141	79	18	5,185	111	64	16	929	27	11	4	929	27	11	4
1902...	6,114	138	75	20	5,237	121	48	12	941	35	10	3	941	35	10	3
1903...	6,178	156	58	15	5,289	152	80	21	953	36	16	1	953	36	16	1
1904...	6,242	188	96	22	5,341	128	73	18	965	31	10	2	965	31	10	2
1905...	6,306	159	83	20	5,393	130	59	8	977	47	15	1	977	47	15	1
1906...	6,370	177	74	9	5,445	110	67	8	989	33	9	1	989	33	9	1
1907...	6,434	143	76	9	5,497	115	76	6	1,001	36	11	2	1,001	36	11	2
1908...	6,498	151	87	8	5,549	128	77	7	1,013	47	12	4	1,013	47	12	4
1909...	6,562	175	89	11												
Avg.s of yrs. 1900-1909	6,274	157	77·8	14·4	5,341	123	68	12·2	965	36	11·7	2·4	965	36	11·7	2·4
1910...	6,626	154	93	13	5,601	109	72	6	1,025	45	21	7	1,025	45	21	7

TABLE III.—Cases of Infectious Disease Notified during the Year 1910.
East and West Molesey District.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							Total Cases Notified in Each Locality.			No of Cases Removed to Hospital from Each Locality.		
	At all Ages.	At Ages—Years.					65 and upwards.	East Molesey	West Molesey		East Molesey	West Molesey	Total cases Removed to Hospital.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.							
Small Pox ...													
Cholera ...													
Diphtheria (includ- ing Membranous Group)	17		5	8	1	3		17			14	0	14
Erysipelas ...	2				1	1			2				
Scarlet Fever ...	31		6	20	5			20	11		19	10	29
Typhus Fever ..													
Enteric Fever ..													
Relapsing Fever ...													
Continued Fever...													
Puerperal Fever ...	1					1			1				
Plague ...													
Phthisis ...													
Totals ...	51		11	28	7	5		37	14		33	10	43

Isolation Hospital, Tolworth.

TABLE IV.

Causes of, and ages at, Death during Year 1910.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							DEATHS IN LOCALITIES (AT ALL AGES).			DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.
	All ages.	Under 1.	1 & under 5.	5 & under 15.	15 & under 25.	25 & under 65.	65 & upwards.	East Molesey	West Molesey		
Small-pox											
Measles											
Scarlet fever	2			2				2			
Whooping-cough...											
Diphtheria (includ- ing membranous croup)	5		3	2				5			
Croup											
Fever :—											
Typhus											
Enteric											
Other continued											
Epidemic influenza											
Cholera											
Plague											
Diarrhoea											
Enteritis	3	3						1	2		
Gastritis											
Puerperal fever ...	1					1			1		
Erysipelas... ..											
Phthisis (Pulmonary Tuberculosis) ...	7				1	6		7			
Other tuberculous diseases	2		1	1				2			
Cancer, malignant disease	10					6	4	9	1		
Bronchitis... ..	2	1					1		2		
Pneumonia	7	1	2			3	1	3	4		
Pleurisy											
Other diseases of res- piratory organs...											
Alcoholism }											
Cirrhosis of liver }											
Venereal diseases...	1	1						1			
Premature birth ...	6	6						5	1		
Diseases & accidents of parturition ...											
Heart diseases ...	4					1	3	4			
Accidents	4		2			2		3	1		
Suicides	5					4	1	4	1		
Meningitis... ..	1			1				1			
Influenza	1					1		1			
All other causes ...	33	3				9	21	25	8		
All causes	94	15	8	6	1	33	31	73	21		

TABLE V.—East and West Molesey District.

Infantile Mortality during the year 1910. Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes	{ Certified ... Uncertified ...	4	1	2		7	1	1	1		1		1	1				13
<i>Common Infectious Diseases :</i>																		
Small-pox																		
Chicken-pox																		
Measles																		
Scarlet Fever																		
Diphtheria (inc. M. Croup)																		
Whooping Cough																		
<i>Diarrhœal Diseases :</i>																		
Diarrhœa, all forms ...																		
Enteritis, Muco-enteritis		{											1	1				2
Gastro-enteritis																		
Gastritis, Gastro-intestinal Catarrh		{						1										1
<i>Wasting Diseases :</i>																		
Premature Birth		3		2		5												5
Congenital Defects																		
Injury at Birth																		
Want of Breast Milk, Starvation		{																
Atrophy, Debility, Marasmus									1									1
<i>Tuberculous Diseases :</i>																		
Tuberculous Meningitis ...																		
Tuberculous Peritonitis :		{																
Tabes Mesenterica																		
Other Tuberculous Diseases																		
<i>Other Causes :</i>																		
Erysipelas																		
Syphilis																		
Rickets																		
Meningitis (not Tuberculous)																		
Convulsions											1							1
Bronchitis							1											1
Laryngitis																		
Pneumonia		1				1												1
Suffocation, overlying																		
Other Causes			1			1												1
		4	1	2		7	1	1	1		1		1	1				13

District of East and West Molesey Population, estimated to middle of 1910, 6,626.

Births in the year { Legitimate, 148. Deaths in the year of { Legitimate Infants, 13
 { Illegitimate, 6. { Illegitimate ,, 0

Deaths from all Causes at all Ages, 93.

Factories, Workshops, Laundries, Workplaces & Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
FACTORIES (including Factory Laundries)	3		
WORKSHOPS (including Workshop Laundries)	34	6	
WORKPLACES			
HOMEWORKERS' PREMISES			
TOTAL	37	6	

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H. M. Insp't'r	
<i>Nuisances under the Public Health Acts:—*</i>				
Want of Cleanliness	8	8		
Want of Ventilation				
Overcrowding				
Want of Drainage of Floors				
Other Nuisances	10	10		
Sec. 22 of the P.H.A.A. Act, 1890, has been adopted. The sanitary accommodation of each Workshop is considered by the Council on its merits, and, where necessary, alterations or additions are enforced.	†Sanitary Accommodation			
	1			
<i>Offences under the Factory & Workshop Act:—</i>				
Illegal occupation of underground bakehouse (s. 101)				
Breach of Special Sanitary Requirements for Bakehouses (SS. 97 to 100)	2	2		
Failure as regard Lists of Outworkers (S. 107)... ..				
Giving out work to be done in premises which are—				
Unwholesome (S. 108)				
Infected (S. 110)				
Allowing Wearing Apparel to be made in premises infected by scarlet fever or smallpox (S. 109)				
Other Offences				
Total	21	20		

* Including those specified in Sections 2, 3, 7 and 8, of the Factory and Workshop Act as remediable under the Public Health Acts.

† For Districts not in London state here whether Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so, what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

18
5.—OTHER MATTERS.

CLASS.		Number.
<i>Matters notified to H.M. Inspector of Factories:—</i>		
Failure to affix Abstract of the Factory and Workshop Act (s. 133)		14
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5) {		
Notified by H.M. Inspector		
Reports (of action taken) sent to H.M. Inspector ...		
Other		1
<i>Underground Bakehouses (s. 101):—</i>		
Certificates granted during the year		Nil
In use at the end of the year... ..		Nil
<i>Homework:—</i>		Number of
<i>List of Outworkers* (s. 107):—</i>		Lists. Out-workers.
Lists received... ..		1 4
Addresses of outworkers forwarded to other Authorities		6
Notices served on Occupiers as to keeping or sending lists		1
Inspections of Outworker's premises		1
<i>Homework in unwholesome or infected premises:—</i>		Wearing Apparel. Other.
Notices prohibiting homework in unwholesome premises (s. 108)		
Cases of infectious disease notified at homeworkers' premises		
Orders prohibiting homework in infected premises (s. 110)		
Workshops on the Register (s. 131) at the end of the year		
Important classes of workshops, such as workshop bake-houses, may be enumerated here.	Factories (including one laundry factory)	5
	Workshop Bakehouses	8
	Laundries (various)	3
	Dressmakers	11
	Other Workshops	22
Total number of workshops on Register		49

J. E. KNOX, M.B., *Medical Officer of Health.*

